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 51 cgagcugccg caggaagcgu uccucgccau ucugcacguc ggcaaagaca
 101 acaaauaacc cuuaggaguu ggcauggcga auauguuugc ccugauucug
 151 gugauugcca cacuggugac gggcauuuaa uggugcgugg auaaaauucu
 201 uuucgcaccu aaacggcggg aacgucaggc agcggcgag gccggcucggg
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 301 cuggaaaccg gugcuucugu uuuuccggua cuggcuauccg uauugauugu
 351 gcguucguu auuuangaac cguuccagau cccgucaggu ucgaugaugc
 401 cgacucuguu aaugggugau uuuaucugg uagagaaguu ugcuauggc
 451 auuaaagau cuaucuacca gaaaacgcug aucgaaaacg gucauccgaa
 501 acgcggcgau aucguggucu uuaaaauacc ggaagaucca aagcuu

FIGURE 1

1 cugcaggcug agguuguugcc cuuacaaaug caacaacgac auggauuaca
 51 acaccucau aaacaaaggg caaucaccug aucuaagcuc uuaccuauga
 101 cagugauagg uuaugccuuu uacucgacuu uugcacugac ugaaaaggac
 151 aaauuaaugu uaaaaaagau acuuuuacug gcucugcuuc cugcaaucgc
 201 cuucgcagag gaacuuccug cuccaguaaa agcgauugaa aaacagggca
 251 uuacaaucan caaaacauuc gaugcccccg gaggaaugaa agguuauuc
 301 ggaaagauuc aggauauggg cgucaccauc uaccugacuc cagaugguaa
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 551 ucuggcagca ggcgcgcccg uggguagauu cuggcaaagu gcaauuaaga
 601 acauuguugg uugggguuau caagccagaa agcccggcgā cagcagcggc
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 701 cugguggcaa gcuu

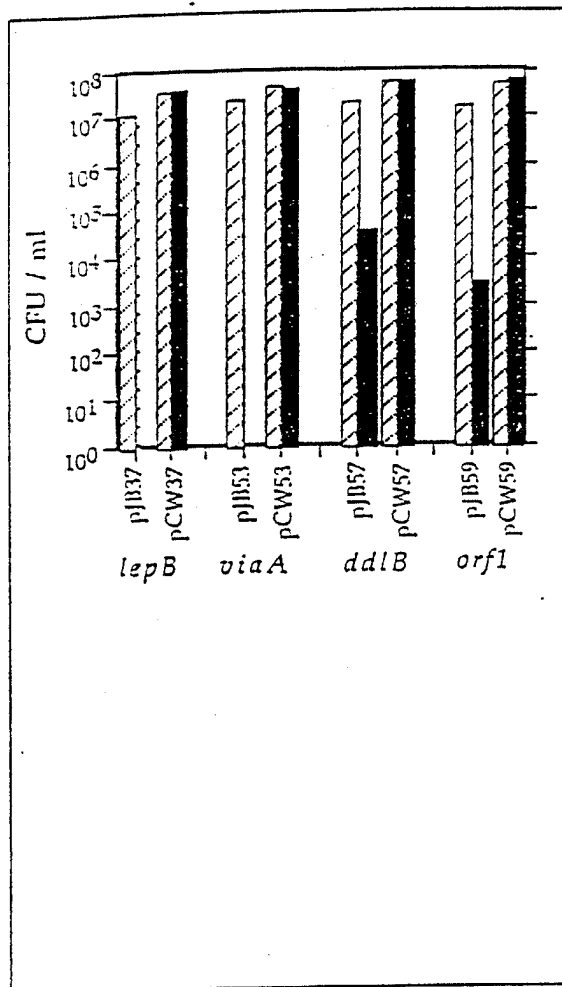
Figure 2

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 151 aaattaatgt taaaaaagat acttttactg gctctgcttc ctgcaatcgc
 201 cttcgcagag gaacttcctg ctccagtaaa agcgattgaa aaacagggca
 251 ttacaatcat caaaacattc gatgcccccg gaggaatgaa aggttatctc
 301 ggaaagtatc aggatatggg cgtcaccatc tacctgactc cagatggtaa
 351 gcacgctatc tctgggttaca tgtacaacga gaaagggtgaa aacctgagta
 401 acacacttat cgaaaaagaa atttacgcac cagccggacg cgaaatgtgg
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 501 ggtcattgtc tacgtcttcg ccgatccgtt ctgcccatac tgtaaacagt
 551 tctggcagca ggcgcgcccc tgggtagatt ctggcaaagt gcaattaaga
 601 acattgttgg ttgggggttat caagccagaa agcccggcgz cagcagcggc
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 701 ctggtggcaa gctt

FIGURE 3

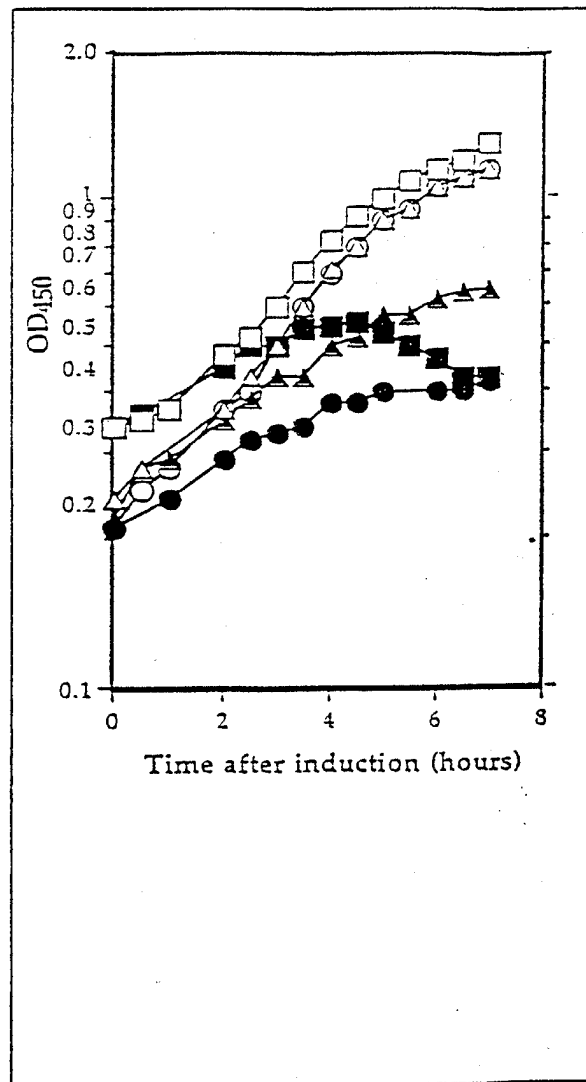
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 151 cuuugcaacc uaacgucguc caugcuuua gcacuaaugc cugcaaauug
 201 gccucuugug acgcuuccag accugcgggg cagaaauacu gugucucauc
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 301 guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc
 351 ccacuagcc auuuuucaau caauacuucu ucaucgugcu gaaaugccaa
 401 ucuuaaugca ucuuguagag cauuuucugc uacuacuuuu gacauuccca
 451 cacuggaacc uucgcggcuc ggcuuaacga uaaccggcaa acccagagca
 501 gaaauuucug cuaacugcuu aucgcucagg cccuuuucaa acucugcgcg
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 601 guuugcugcg uaguuuaucc auugaaagcg cagaugccau cacuccgcuu
 651 ccgguaauag gcaagcccau cagcucgagc auccccugca gcguaccauc
 701 uucaccgccg cgaccgugua gcgcgauaaa cacuuucuga aagcccaucg
 751 acuucaguug cgucacgucg acuucuuucg ggucgacagg auacgcguca
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 851 aacuucccgc ucagcggagg ucccacccaa caggaccgcg auuuuauag
 901 ucauguuguu cuuccuccgg aguuugcggc uucaguuga uuucagcuaa
 951 agaacgggca auuuuuccaa uauuaccagc cccugaacg agaaucaggu
 1001 cguuaccggu uaauaccggu gccagcaucu cggcuaccgg cgccggaucc

FIGURE 4



- IPTG
 + IPTG

FIGURE 6



lepB pJ37 pJ37 + IPTG
viaA pJ57 pJ57 + IPTG
orf1 pJ59 pJ59 + IPTG

FIGURE 7

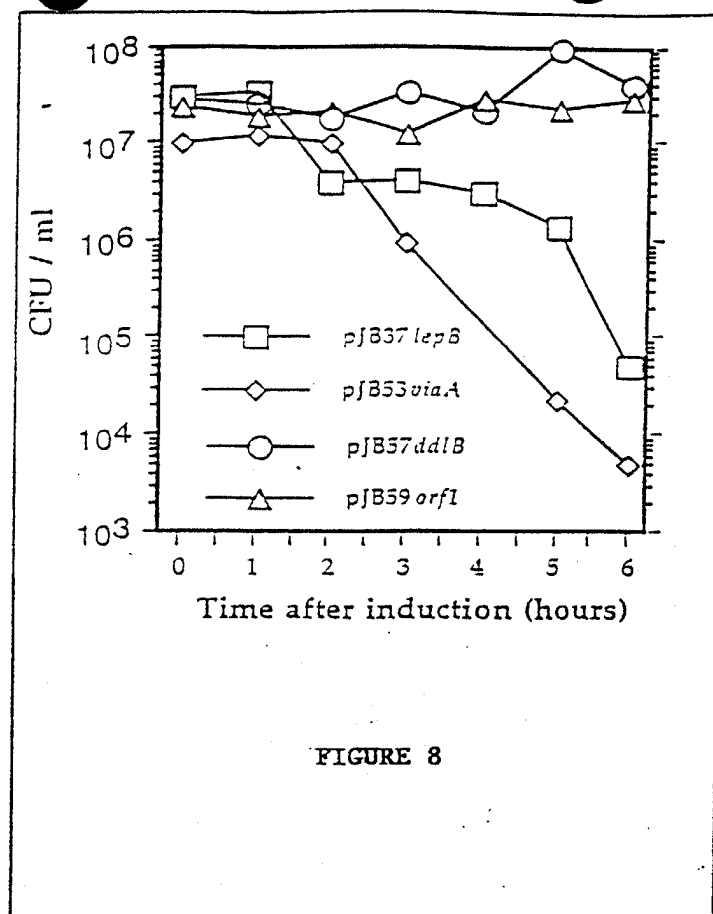


FIGURE 8

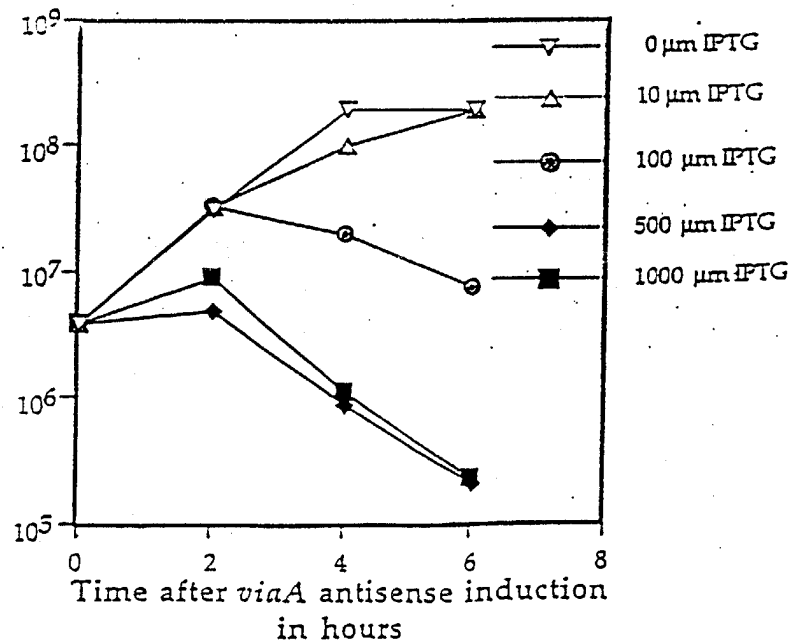
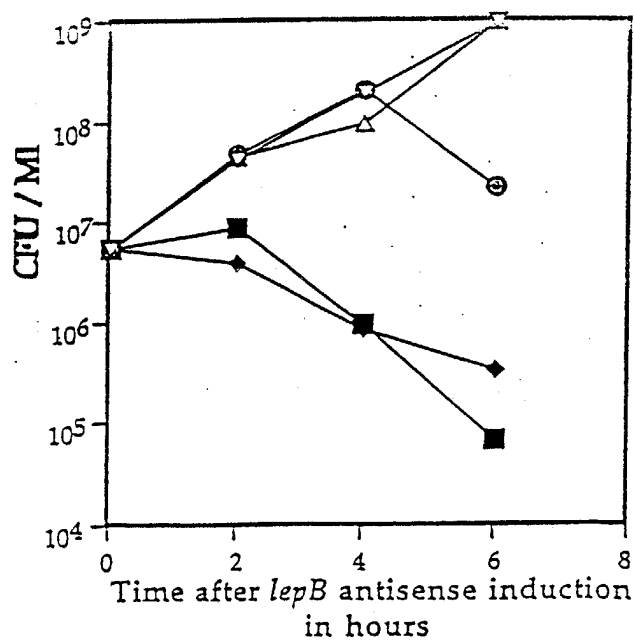


FIGURE 9

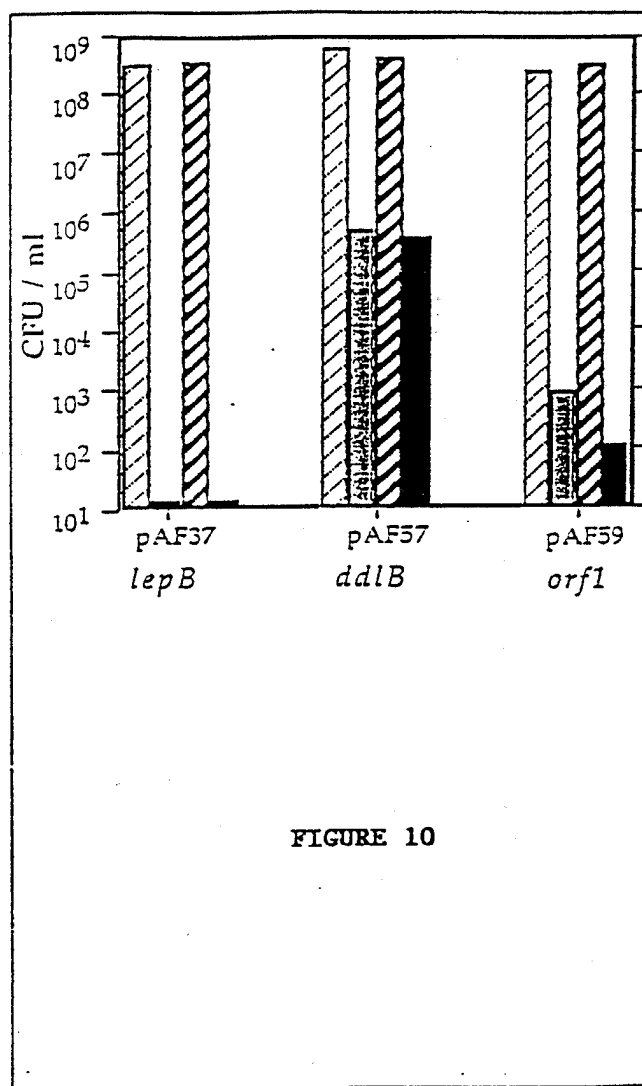


FIGURE 10

+ amp + spec
 + amp + 1 mM IPTG + spec + 1 mM IPTG

1 ctgcaggctt taatgataag atttgtgcgc taaatacgtt tgaatatgat
 51 cgggatggca ataacgtgag tggaatactg acgcgctggc gacagtttgg
 101 taaacgctac ttctggccgc atctcttatt agggatgggt gcggcgagtt
 151 taggtttgcc tgcgctcagc aacgccgccg aaccaaacgc gcccgcaaaa
 201 gcgacaaccc gcaaccacga gccttcagcc aaagttaact ttggtcaatt
 251 ggccttgctg gaagcgaaca cagccgccc gaattcgaac tattccgttg
 301 attactggca tcaacatgcc attcgcacgg taatccgtca tctttctttc
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 401 ggcgcaacat cttgcattac tggatacgct cagcgcgctg ctgacdcagg
 451 aaggcacgcc gtctgaaaag gggtatcgca ttgattatgc gcattttacc
 501 ccacaagcaa aattcagcac gcccgctctgg ataagccagg cgcaaggcat
 551 ccgtgctggc cctcaacgcc tcacctazca acaataaacc tttacttcat
 601 tttattaact ccgcaacgcg gggcgtttga gattttatta tgctaataca
 651 attgttaact aaagttttcg gtagtcgtaa cgatcgacc ctgcgcggga
 701 tgcgcaaagt ggtcaacatc atcaatgcc tggaaacgga gatggaaaaa
 751 ctctccgacg aagaactgaa agggaaaacc gcagagtttc gtgcacgtct
 801 ggaaaaaggc gaagtgctgg aaaatctgat cccgga

FIGURE 11

1 uccgggauca gauuuuccag cacuucgccu uuuuccagac gugcacgaaa
 51 cucugcgguu uucccuuua guucuucguc ggagaguuuu uccaucuccg
 101 guuccauggc auugaugaug uugaccacuu ugcgc auccg gcgcagggug
 151 cgauvcguuac gacuaccgaa aacuuuaguu aacaauuuga uuagcauaau
 201 aaaaucucua acgccccgcg uugcggaguu aaauaaauga aguaaagguu
 251 uauuguuguu agguagaggcg uugagggcca gcacggauvc cuugcgcug
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 551 gaauucgggc ggcguguguu cgcuuvcagc aaggccaauu gaccaaaguu
 601 aacuuuggcu gaaggcucgu gguugcgggu ugucgcuuuu gcgggcgcgu
 651 uugguucggc ggcguugcug agcgcaggca aaccuaaacu cgccgcaacc
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 751 gcgcgucagu auuccacuca cguuauugcc aucccgauca uauucaaacg
 801 uauuuagcg acaaaucua ucauuaaagc cugcag

FIGURE 12